

Substitute for form 1449A/PTO
(Revised 10/2001)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	To Be Assigned
Filing Date	To Be Assigned
First Named Inventor	Feller <i>et al.</i>
Group Art Unit	1612
Examiner Name	B. Dentz
Attorney Docket Number	046295/264122

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
Bn	1	3,337,539	08-22-1967	Mészáros <i>et al.</i>	
	2	3,438,989	04-15-1969	Shavel, Jr. <i>et al.</i>	
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	6	3,872,130	03-18-1975	Kreighbaum <i>et al.</i>	
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	12	4,321,254	03-23-1982	Ali	
	13	4,442,108	04-10-1984	Le Polles <i>et al.</i>	
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	15	4,536,510	08-20-1985	Wasserman <i>et al.</i>	
	16	4,666,918	05-19-1987	Ivanova <i>et al.</i>	
	17	4,707,485	11-17-1987	Kaiser <i>et al.</i>	
	18	4,737,504	04-12-1988	Miller <i>et al.</i>	
	19	4,798,897	01-17-1989	Hidaka <i>et al.</i>	
	20	4,812,573	03-14-1989	Durant <i>et al.</i>	
	21	4,857,301	08-15-1989	Czarniecki <i>et al.</i>	
	22	5,059,608	10-22-1991	Takasugi <i>et al.</i>	
	23	5,177,085	01-05-1993	Naef	
	24	5,210,088	05-11-1993	Minchin <i>et al.</i>	
	25	5,238,935	08-24-1993	Dugar <i>et al.</i>	
	26	5,246,943	09-21-1993	Blankley <i>et al.</i>	

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B. Dentz

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8-10-04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

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First Named Inventor	Feller <i>et al.</i>
Group Art Unit	1612
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Attorney Docket Number	046295/264122

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B.D.	27	5,272,270	12-21-1993	Hirsenkorn <i>et al.</i>	
	28	5,340,811	08-23-1994	Kajihara <i>et al.</i>	
	29	5,350,757	09-27-1994	Blankley <i>et al.</i>	
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	43	6,043,253	03-28-2000	Brockunier <i>et al.</i>	
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	47	6,248,754	06-19-2001	Coulton <i>et al.</i>	
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	50	US 2001/0039289 A1	11-08-2001	Blok <i>et al.</i>	

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8-10-09

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		Filing Date	To Be Assigned			
		First Named Inventor	Feller <i>et al.</i>			
		Group Art Unit	1612			
Examiner Name	B. Dentz					
Sheet 3 of 4	Attorney Docket Number 046295/264122					
U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
B	51	JP 47018898	09-18-1972	Japan Chemipha Co., Ltd.	Abstract	
	52	JP 52095676	08-11-1977	Dainippon Pharmaceutical Co., Ltd.	Abstract	
	53	EP 0 210 827 A2	02-04-1987	Smithkline Beckman Corporation		
B	54	WO 99/44609 A1	09-10-1999	Merck & Co., Inc.		
OTHER DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T
B	55	CHRISTOFF, <i>et al.</i> , "Synthesis and Evaluation of Trimetoquinol Derivatives: Novel Thromboxane A ₂ /Prostaglandin H ₂ Antagonists with Diminished β -Adrenergic Agonist Activity", <i>J. Med. Chem.</i> , 1997, Vol. 40, pp. 85-91.				
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	57	HE, <i>et al.</i> , "Synthesis and Human β -Adrenoceptor Activity of 1,2,3,4-Tetrahydroisoquinoline-6-ol Derivatives, In Vitro", <i>Am. Chem. Soc.</i> , 218 th ACS National Meeting, August 22-26, 1999, Abstract.				
	58	ISHIWATA, <i>et al.</i> , "Syntheses of Aminoisoquinolines and Related Compounds. VI. A Modified Synthesis of dl-pronuciferine", <i>Chem. Pharm. Bull.</i> , 1970, Vol. 18(6), Abstract.				
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	61	MEMETZIDIS, <i>et al.</i> , "Synthesis of Aromatic Chloroberbines", <i>Heterocycles</i> , 1990, Vol. 31(2), Abstract.				
	62	NIKULIN <i>et al.</i> , "A Shortened Approach to Parallel Synthesis of Tetrahydroisoquinolines (THI) Via Bischler-Napieralski Cyclization", <i>Am. Chem. Soc.</i> , 215 th ACS National Meeting, March 29-April 2, 1998.				
B	63	ZHENG, <i>et al.</i> , "2-Amino-4-Aryl-4,5,6,7-Tetrahydrothiazolo[5,4-c]Pyridines: Proposed Novel Catechol Bioisosteric Analogs of Trimetoquinol (TMQ) - A Potent β -Adrenoceptor Agonist and TP Receptor Antagonist", <i>Am. Chem. Soc.</i> , 1995 Joint Southeast-Southwest Regional Meeting, November 29 - December 1, 1995, Abstract.				
Examiner Signature	B. Dentz		Date Considered	8-10-04		

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Substitute for form 1449B/PTO (Revised 10/2001)		Complete if Known	
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		Filing Date	To Be Assigned
		First Named Inventor	Feller <i>et al.</i>
		Group Art Unit	1612
		Examiner Name	Dentz
Sheet 4 of 4	Attorney Docket Number	046295/264122	
OTHER DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
BD	64	ADEJARE, <i>et al.</i> , "Syntheses and β -Adrenergic Agonist and Antiaggregatory Properties of N-Substituted Trimetoquinol Analogues", <i>J. Med. Chem.</i> , 1986, pp. 1603-1609, Vol. 29.	
	65	AHN, <i>et al.</i> , "Characterization of the Inhibition of U46619-Mediated Human Platelet Activation by the Trimetoquinol Isomers", <i>Biochemical Pharmacology</i> , 1988, pp. 3023-3033, Vol. 37, No. 15.	
	66	CLARK, <i>et al.</i> , "5-Fluoro- and 8-Fluorotrimetoquinol: Selective β_2 -Adrenoceptor Agonists", <i>J. Med. Chem.</i> , 1987, pp. 86-90, Vol. 30.	
	67	FRAUNDORFER, <i>et al.</i> , "Biochemical and Pharmacological Characterization of High-Affinity Trimetoquinol Analogs on Guinea Pig and Human Beta Adrenergic Receptor Subtypes: Evidence for Partial Agonism", <i>J. Pharmacology and Experimental Therapeutics</i> , 1994, pp. 665-674, Vol. 270, No. 2.	
	68	FRAUNDORFER, Paul F., "Functional and Biochemical Characterization of Trimetoquinol (TMQ) Analog Interactions with β -Adrenergic Receptor Subtypes", A Dissertation, The Ohio State University, 1993.	
	69	HARROLD, <i>et al.</i> , "Synthesis and Platelet Antiaggregatory Activity of Trimetoquinol Analogs as Endoperoxide/Thromboxane A ₂ Antagonists", <i>Drug Design and Delivery</i> , 1987, pp. 193-207, Vol. 1.	
	70	HOWE, Ralph, " β_3 -Adrenergic agonists", <i>Drugs of the Future</i> , 1993, pp. 529-549, Vol. 18, No. 6.	
	71	IWASAWA, <i>et al.</i> , "Studies on Tetrahydroisoquinolines (THI) (I) Bronchodilator Activity and Structure-Activity Relationship", <i>Jap. J. Pharmacol.</i> , 1967, pp. 143-152, Vol. 17.	
	72	KAJIGAESHI, <i>et al.</i> , "Halogenation Using Quaternary Ammonium Polyhalides. VII. ¹³¹ Iodination of Aromatic Amines by Use of Benzyltrimethylammonium Dichloroiodate(1-)", <i>Bull. Chem. Soc. Jpn.</i> , 1988, pp. 600-602, Vol. 61, No. 2.	
	73	MAYO, <i>et al.</i> , "Stereo-Dependent Inhibition of Human Platelet Function by the Optical Isomers of Trimetoquinol", <i>Biochemical Pharmacology</i> , 1981, pp. 2237-2241, Vol. 30, No. 16.	
	74	SHIN, <i>et al.</i> , "Interactions of Nonprostanoid Trimetoquinol Analogs with Thromboxane A ₂ /Prostaglandin H ₂ Receptors in Human Platelets, Rat Vascular Endothelial Cells and Rat Vascular Smooth Muscle Cells", <i>J. Pharmacology and Experimental Therapeutics</i> , 1993, pp. 1017-1023, Vol. 267, No. 3.	
75	SHIN, <i>et al.</i> , "Pharmacologic Antagonism of Thromboxane A ₂ Receptors by Trimetoquinol Analogs In Vitro and In Vivo", <i>Chirality</i> , 1991, pp. 112-117, Vol. 3.		
76	SHIN, <i>et al.</i> , "Stereospecific Interactions of Nonprostanoid Trimetoquinol Analogs With Thromboxane A ₂ /Prostaglandin H ₂ Receptor Sites in Human and Rat Platelets, and Rat Vascular Endothelial and Smooth Muscle Cells", <i>Pharmacology Communications</i> , 1992, pp. 303-312, Vol. 1, No. 4.		
BD	77	YAMATO, <i>et al.</i> , "Synthesis of 6,7-Dihydroxy-1,2,3,4-Tetrahydroisoquinoline Derivatives", <i>Tetrahedron</i> , 1966, pp. 129-134, Suppl. 8, Part 1.	

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Examiner Signature	<i>B. Dentz</i>	Date Considered	8-10-04
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